

## **CURRICULUM VITAE**

**DATE:** August 13, 2023

**NAME:** Anat Chemerinski

**PRESENT TITLE:** Instructor

**HOME ADDRESS:** 127 E Hudson Ave, Englewood NJ 07631

**OFFICE ADDRESS:** 185 South Orange Ave, Newark NJ 07103

**TELEPHONE NUMBER/E-MAIL ADDRESS:**

301-910-6800

achemerinski@gmail.com

ac2059@njms.rutgers.edu

**CITIZENSHIP:** USA

**EDUCATION:**

A. Undergraduate, Graduate and Professional

Cornell University

Ithaca, NY

B.A., Magna Cum Laude;

Biology and Spanish Literature

August 2007 – May 2011

Intramural Research Training Award

National Institute of Mental Health, National Institutes of Health

Bethesda, MD

July 2011 – July 2012

University of Maryland School of Medicine

College Park, MD

Doctor of Medicine; Cum Laude

August 2012 – May 2016

**POSTGRADUATE TRAINING:**

A. Internship, Residency and Fellowship

Hospital of the University of Pennsylvania

Philadelphia, PA

Resident, Obstetrics and Gynecology

June 2016 – June 2020

Administrative Chief Resident

Hospital of the University of Pennsylvania

Obstetrics and Gynecology

June 2019 – June 2020

Rutgers New Jersey Medical School

Newark, NJ

Reproductive Endocrinology and Infertility Fellow

July 2020 – June 2023

B. Postdoctoral Appointments

Rutgers Presidential Clinical Scientist Scholar

Newark, NJ

June 2023 – present

**MILITARY:** None

**ACADEMIC APPOINTMENTS:** None

**HOSPITAL APPOINTMENTS:** *(If applicable):* N/A

**OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:** *(If applicable)* N/A

**PRIVATE PRACTICE** *(If applicable):*

University Reproductive Associates  
Hasbrouck Heights, NJ

**LICENSURE:**

OBGYN  
25MA11018500  
Expiration June 30, 2024

**DRUG LICENSURE:**

CDS:  
DEA:

**CERTIFICATION:** American Board of Obstetrics and Gynecology

**MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

American College of Obstetricians and Gynecologists  
Member  
2016 - present

American Society for Reproductive Medicine  
Member  
2020 – present

Society for Reproductive Endocrinology and Infertility  
Member  
2020 - present

**HONORS AND AWARDS:**

2021 ASRM 2021 Corporate Member Council In-Training Award  
2016 Gold Humanism Honors Society  
2016 William D. Kaplan, MD Award for Humanism in Medicine  
2016 Fuentes Fellowship Award, given to a rising senior applying in Obstetrics and Gynecology who is distinguished by strong academic and professional qualities  
2015 Alpha Omega Alpha Honor Medical Society, MS3 inductee  
2012 University of Maryland School of Medicine Merit Scholarship

**BOARDS OF DIRECTORS/TRUSTEES POSITIONS:** N/A

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

**SERVICE ON MAJOR COMMITTEES:**

A. International *(Name, Inclusive Dates)* N/A  
B. National *(Name, Inclusive Dates)* N/A  
C. Medical School/University *(Name, Inclusive Dates)*  
2018 – 2020 Gynecology Ultrasound Curriculum Task Force, Hospital of the University of Pennsylvania

- 2017 – 2020 Centering Pregnancy Steering Committee, Hospital of the University of Pennsylvania
- 2017 – 2020 REI Consult Service, Hospital of the University of Pennsylvania
- 2013 – 2014 Committee on Admissions, University of Maryland School of Medicine (one of four medical students selected to be a voting member)
- D. Hospital (*Name, Inclusive Dates*) N/A
- E. Department (*Name, Inclusive Dates*)  
2023 – present, Reproductive Endocrinology and Infertility Program Evaluation Committee
- F. Editorial Boards (*Journal Name, Inclusive Dates*) N/A
- G. *AdHoc* Reviewer (*Journal Name, Inclusive Dates*) N/A  
PLOS One, 2022  
Journal of Clinical Medicine, 2023  
Medicina, 2023

**SERVICE ON GRADUATE SCHOOL COMMITTEES:** N/A

**SERVICE ON HOSPITAL COMMITTEES:** N/A

**SERVICE TO THE COMMUNITY:** N/A

**SPONSORSHIP (Primary Mentorship) OF CANDIDATES FOR POSTGRADUATE DEGREE:** N/A

**SPONSORSHIP (Primary Mentorship) OF POSTDOCTORAL FELLOWS:** N/A

**TEACHING RESPONSIBILITIES:** (Teaching effectiveness should be addressed in nominating letter)

- A. Lectures or Course Directorships: N/A  
“Endometriosis” – medical student lecture 2020-2023  
“Osteoporosis” – resident and fellow lecture, 2020-2023  
“Optimizing Natural Fertility” – resident lecture 2021  
“Hypothyroidism” – fellow lecture 2022  
“Steroid hormone pathways” – fellow lecture 2023
- B. Research Training (other than Primary Mentorship) N/A

**CLINICAL RESPONSIBILITIES:** (Clinical effectiveness should be addressed in nominating letter)

**GRANT SUPPORT:** (*Please list newest or most current first*)

- A. Principal Investigator
  1. RBHS-IDEA Innovation Grant – 2023-2024 award cycle, \$7,500
  2. 2017 – 2018 Penn Innovation Center grant to pilot a group prenatal care program at the Helen O. Dickens Center, \$25,000
- B. Co-Investigator N/A
- C. Pending N/A

**PUBLICATIONS:** (*Please list in chronological order; published or accepted for publication only; should be segregated into the following categories*)

- A. Refereed Original Article in Journal
  1. Zhao Q, Larios K, Naaldijk Y, Sherman L, **Chemerinski A**, Okereke A, Rameshwar P, Lemenze A, Douglas N, Morelli S. Mesenchymal Stem Cell Secretome Alters Gene Expression and Upregulates Motility of Human Endometrial Stromal Cells. *Reproduction*. 2023 May 1:REP-22-0485.

2. Chafitz O, **Chemerinski A**, McGovern P. Management of Simple Ovarian Cysts. *Topics in Obstetrics & Gynecology*. 2023 June 30
  3. Valero-Pacheco N, Tang EK, Massri N, Loia R, **Chemerinski A**, Wu T, Begum S, El-Naccache DW, Gause WC, Arora R, Douglas NC, Beaulieu AM. Maternal IL-33 critically regulates tissue remodeling and type 2 immune responses in the uterus during early pregnancy in mice. *Proc Natl Acad Sci U S A*. 2022 Aug 30;119(35):e2123267119
  4. **Chemerinski A**, Morelli SS. Oncofertility: preserve and protect your eggs, but what about the uterus? *F S Rep*. 2022 Aug 5;3(3):181-182
  5. **Chemerinski A**, Liu C, Morelli SS, Babwah AV, Douglas NC. Mouse Cre drivers: Tools for studying disorders of the human female neuroendocrine-reproductive axis. *Biol Reprod*. 2022 Jan 27
  6. Chafitz O, **Chemerinski A**, McGovern P. Primary Ovarian Insufficiency: What the Generalist Needs to Know. *Topics in Obstetrics & Gynecology*. 2022 January 20
  7. Alur-Gupta S, Lee I, **Chemerinski A**, Liu C, Lipson J, Allison K, Gallop R, Dokras A. Racial differences in anxiety, depression, and quality of life in women with polycystic ovary syndrome. *F S Rep*. 2021 Mar 13
  8. **Chemerinski A**, Cameron K, Sammel M, Ginsberg J, Carlson C, Gracia C. Relationship of menopausal symptoms and ovarian reserve in reproductive-aged cancer survivors. *J Cancer Surviv*. 2020 Apr 22
  9. **Chemerinski A**, Cooney L, Shah D, Butts S, Gibson-Helm M, Dokras A. *Knowledge of PCOS in physicians-in-training: identifying gaps and educational opportunities*. *Gynecol Endocrinol*. 2020 April 6
  10. Alur-Gupta S, **Chemerinski A**, Liu C, Lipson J, Allison K, Sammel MD, Dokras A. *Body-image distress is increased in women with polycystic ovary syndrome and mediates depression and anxiety*. *Fertil Steril*. 2019 Nov; 112(5): 930-938.
  11. **Chemerinski A**, Lubin D, Holder S, Shah D. *Appendiceal Endometriosis and Ectopic Pregnancy Occurring Simultaneously*. *Obstet Gynecol*. 2018 Mar; 131(3): 572-574.
  12. Murphy EJ, Kassem L, **Chemerinski A**, Rush AJ, Laje G, McMahon FJ. *Retention and attrition among African Americans in the STAR\*D study: what causes research volunteers to stay or stray?* *Depress Anxiety*. 2013 Nov 30; (11): 1137-44.
  13. Laje G, Lally N, Mathews D, Brutsche N, **Chemerinski A**, Akula N, Kelmendi B, Simen A, McMahon FJ, Sanacora G, Zarate C Jr. *Brain-derived neurotrophic factor Val66Met polymorphism and antidepressant efficacy of ketamine in depressed patients*. *Biol Psychiatry*. 2012 Dec 1; 72(11) e27-8.
- B. Books, Monographs and Chapters N/A
- C. Patents Held N/A
- D. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications
1. Chafitz, O, **Chemerinski, A**, McGovern, P, *Management of Simple Ovarian Cysts*, *Topics in Obstetrics & Gynecology*. 43(9):1-5, June 30, 2023.
  2. Chafitz, O, **Chemerinski, A**, McGovern, P, *Primary Ovarian Insufficiency: What the Generalist Needs to Know*, *Topics in Obstetrics & Gynecology*. 42(2):1-5, January 30, 2022.
  3. **Chemerinski, A**. "Parts and Labor (and Luck)." *The Ethicist*. The New York Times, 12 Oct. 2013. Web. 26 Feb. 2015.
  4. **Chemerinski, A**, Liebowitz J. "Nobody Missed Him More." *Johns Hopkins Reflections on Clinical Excellence*. 2013 September.
- E. Abstracts
1. **A. Chemerinski**, Q. Zhao, D. Cho, T. Murphy, A. Beaulieu, D. Heller, S. Morelli, N. Douglas. "Controlled Ovarian Stimulation Leads to Glandular-Stromal Dyssynchrony and Decreased Stromal

Proliferation in Good Responders but not Poor Responders.” Poster presentation at the 2022 New York Obstetrical Society meeting, New York, NY

2. T. Murphy, N. Valero-Pacheco, M. Shen, **A. Chemerinski**, Q. Zhao, R. Aurora, A. Beaulieu, N. Douglas. “Ovarian Stimulation Alters Vascular Endothelial Cell Marker CD31 in the Human Secretary Endometrium.” Poster presentation at the 2022 Society for Reproductive Investigation meeting, Denver CO
3. L. George, **A. Chemerinski**, S. Morelli, N. Douglas, A. Babwah. “RNA-Seq Analysis Suggests Endometrial Opioid Signaling Is Increased In Ovarian Stimulated Cycles During the Window of Implantation”. Poster presentation at the 2022 Society for Reproductive Investigation meeting, Denver CO
4. **A. Chemerinski**, Q. Zhao, D. Cho, N. Douglas, Y. Naaldijk, P. Rameshwar, S. Morelli, “Umbilical-Cord Derived Mesenchymal Stem Cells Modulate Endometrial Stromal Cell Migration and Invasion.” Poster presentation at the 2021 Society for Reproductive Investigation, Boston MA
5. S. Alur-Gupta, I. Lee, **A. Chemerinski**, L. Chang, A. Dokras. “Racial Differences in Anxiety, Depression and Quality of Life between White and Black Women with PCOS and Controls” Poster presentation at the 2019 Endocrine Society, New Orleans LA.
6. E. Rubin, **A. Chemerinski**, S. Butts, C. Salva. “Utilizing a Novel Resident Education Initiative to Provide Reproductive Endocrinology and Infertility Care for Underinsured Women.” Poster presentation at the 2019 American Society for Reproductive Medicine, Philadelphia PA.
7. **A. Chemerinski**, E. Rubin, S. Butts, C. Salva. “Reproductive Endocrinology and Infertility Care for Underinsured Women.” Poster presentation at the 2019 University of Pennsylvania Health Equity Week, Philadelphia PA
8. **A. Chemerinski**, L. G. Cooney, M. Gibson-Helm, A. Dokras. “Resident Knowledge of PCOS: Identifying Gaps and Educational Opportunities” Poster presentation at the 2018 American Society for Reproductive Medicine, Denver CO.
9. S. Alur-Gupta, **A. Chemerinski**, C. Liu, J. Lipson, M. D. Sammel, K. Allison, A. Dokras. “Body Image Distress (BID) Contributes to Increased Risk of Anxiety and Depressive Symptoms in Women with Polycystic Ovary Syndrome (PCOS)” Poster presentation at the 2018 American Society for Reproductive Medicine, Denver CO.

F. Reports N/A

## **PRESENTATIONS: N/A**

A. Scientific (*Basic Science*):

1. Q. Zhao, P. Timmins, M. Saad-Naguib, C. Samuels, R. Loia, T. Wu, **A. Chemerinski**, S. Morelli, A. Babwah, N. Douglas. “Ovarian Stimulation Disrupts Expression of the Retinoic Acid (RA) Signaling Pathway in the Human Endometrium”. Oral presentation at the 2023 Endocrine Society meeting, Chicago IL
2. K. Larios, Q. Zhao, A. Lemenze, **A. Chemerinski**, P. Rameshwar, N. Douglas, S. Morelli. “Exposure To Bone Marrow-Derived Mesenchymal Stem Cell Secretome Alters Gene Expression In Human Endometrial Stromal Cells.” Oral presentation at the 2022 Society for Reproductive Investigation meeting, Denver CO
3. **A. Chemerinski**, Q. Zhao, D. Cho, T. Murphy, A. Beaulieu, D. Heller, S. Morelli, N. Douglas. “Controlled Ovarian Stimulation Leads to Glandular-Stromal Dyssynchrony and Decreased Stromal Proliferation in Good Responders but not Poor Responders.” Oral presentation at the 2021 American Society for Reproductive Medicine, Baltimore MD

4. Professional (*Clinical*):